



P30470.A01

Application No. 10/598,142

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Masaru SHIRAI et al.

Group Art Unit : Not Yet Assigned

Appl. No. : 10/598,142 (U.S. National
Stage of PCT/JP2005/005909)

Examiner : Not Yet Assigned

I.A. Filed : March 17, 2005

Confirmation No. : 1550

For : HEATER, REFLOW APPARATUS, AND SOLDER BUMP FORMING
METHOD AND APPARATUS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
U.S. Patent and Trademark Office
Customer Service Window, Mail Stop AMENDMENT
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §§1.56 and 1.97-1.98, Applicant hereby brings the following information to the attention of the Examiner, which includes information cited and discussed in the specification and the International Search Report, issued in connection with counterpart International Patent Application No. PCT/JP2005/005909. A copy of the International Search Report (in English and Japanese), was enclosed with the papers when entering the National Stage on August 18, 2006. The Examiner is invited to review these materials to inspect the relevance indicated during international examination with respect to the documents cited therein.

P30470.A01

Application No. 10/598,142

- (1) Japanese Laid-Open Patent Application Publication No. HEI 11-068303 A, together with an English language Abstract of the same;
- (2) Japanese Laid-Open Patent Application Publication No. HEI 11-251737 A, together with an English language Abstract of the same; and
- (3) Japanese Laid-Open Patent Application Publication No. 2001-068848 A, together with an English language Abstract of the same.
- (4) Japanese Laid-Open Patent Application Publication No. 2000-094179 A, together with an English language Abstract of the same. Applicants note that this document is cited beginning at page 1 of the specification of the above-captioned application;
- (5) Japanese Laid-Open Patent Application Publication No. HEI 05-092257 A, together with an English language Abstract of the same. Applicants note that this document is cited beginning at page 2 of the specification of the above-captioned application;
- (6) Japanese Laid-Open Patent Application Publication No. HEI 01-157796 A, together with an English language Abstract of the same;
- (7) Japanese Laid-Open Patent Application Publication No. HEI 5-000391 A, together with an English language Abstract of the same; and
- (8) U.S Patent Application No. 10/598,124 to SAKAMOTO et al., which was filed on August 18, 2006.

Applicants note that above-note documents (1) – (3) were cited in the International Search Report.

P30470.A01

Application No. 10/598,142

Further to the U.S. Patent and Trademark Office's decision to waive the requirement under 37 C.F.R. §1.98 (a)(2)(iii) if the U.S. patent application was filed after June 30, 2003, a copy of the U.S. patent application is not enclosed herewith. However, if a copy is needed, the Examiner is respectfully requested to contact the undersigned.

Also, when the above-noted pending application is published, the Examiner is respectfully requested to list its publication number on a PTO 1449 Form (or PTO 892 Form) to confirm consideration thereof.

Applicants respectfully request that the Examiner consider the above material and cite the same. Copies of the above-noted foreign documents, including the noted English language Abstracts, are attached hereto, and all of the documents are listed on an attached PTO-1449 Form. The Examiner is requested to initial the appropriate spaces on the attached Form and to return a copy of the completed Form to Applicants with the next official communication in the present application.

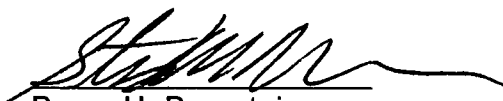
Applicants note that an Office Action on the merits has not issued in the present application, and thus, no fee is believed necessary to ensure consideration of the submitted material.

P30470.A01

Application No. 10/598,142

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully submitted,
Masaru SHIRAI et al.



Bruce H. Bernstein
Reg. No. 29,027

November 27, 2006
GREENBLUM & BERNSTEIN, P.L.C.
1950 Roland Clarke Place
Reston, Virginia 20191
(703) 716-1191

Stephen M. Roylance
Reg. No. 31,296

U.S. Department of Commerce
Patent and Trademark Office

Application No.
10/598,142

(Use several sheets if necessary)

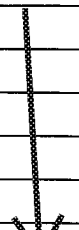
Filing Date
March 17, 2005

Group Unknown	
------------------	--


U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
/N.D./	11	- 0 6 8 3 0 3	03/09/99	JAPAN				
	11	- 2 5 1 7 3 7	09/17/99	JAPAN				
	2001	- 0 6 8 8 4 8	03/16/01	JAPAN				
	2000	- 0 9 4 1 7 9	04/04/00	JAPAN				
	05	- 0 9 2 2 5 7	04/16/93	JAPAN				
	01	- 1 5 7 7 9 6	06/21/89	JAPAN				
	5	- 0 0 0 3 9 1	01/08/93	JAPAN				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/N.D./	1	U.S Patent Application No. 10/598,124 to SAKAMOTO et al., which was filed on August 18, 2006.
	2	English language Abstract of JP 11-068303.
	3	English language Abstract of JP 11-251737.
	4	English language Abstract of JP 2001-068848.
	5	English language Abstract of JP2000-094179.
	6	English language Abstract of JP 05-092257.
	7	English language Abstract of JP 01-157796.
	8	English language Abstract of JP 5-000391.

DATE CONSIDERED 04/07/2009

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.D./

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /N.D./